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Under the Paperwork Reduction Act of 1995, no persons are requ			f information unles	ss it disp	lays a valid OMB control r	number.
UTILITY		Attorney Docket No.		520.41238X00		
PATENT APPLICATION	First Inventor		SUGAYA, MASAKAZU		ZU	S. 33
TRANSMITTAL		BEAM AS WEL		AND	EQUIPMENT FOR	11 O.
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Ma	ail Label No.				-i-
APPLICATION ELEMENTS		ADDRESS	TO: Box Pate	ent Appli		
SEE MPEP chapter 600 concerning utility patent application of	ontents.		Washing	ton, DC	20231	
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)  2. Applicant claims small entity status See 37 CFR 1.27.  3. Specification [Total Pages. 46] (proferred arrangement set forth below)  -Descriptive title of the invention -Cross Reference to Related Applications -Statement Regarding Fed sponsored R & D -Reference to sequence listing, a table, or a computer program listing appendix -Background of the Invention		Cor 8 Nucleotide fif applicat a	ROM or CD-R in on puter Program (A and/or Amino Action, all necessary) inputer Readable Fittion Sequence Listing CD-ROM or on paper atterments verifying	Appendixion Sequential	copies), or	
-Brief Summary of the Invention -Brief Description of the Drawings (If filed) -Detailed Description -Claim(s) -Abstract of the Disclosure  4. Drawing(s) (35 U S.C 113) [Total Pages: 20]  5. Oath or Declaration [Total Pages: a Newly executed (original or copy) b Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)  i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) Named in the prior application, see 37 CFR 1 63(d)(2) and 1 33(b)  6. Application Data Sheet See 37 CFR 1 76		9. Ass  10. 37 (w)  11 En  12 Info  13. Pro  14 Re  (So  15. Ce  (if)  16 No  (b)  or  17 Or	signment Papers ( CFR 3.73(b) State nen there is an assiglish Translation Exprending Disclosure at the state of the state	cover shement signee) Documer re D-1449 ment card (MF/lly itemiz ority Doculaimed) Lest under the must a	Peet & documents(s))  Power of Attorney  It (if applicable)  Copies of IDS Cita  PEP 503)  Per 503)  Per 35 U S C. 122  Attach form PTO/SB/35	
Prior application information. Examiner: Group Art For CONTINUATION OR DIVISIONAL APPS only: The entire disc Box 5b, is considered a part of the disclosure of the accompany The incorporation can only be relied upon when a portion has b	inuation-in-pa  t Unit: closure of the ring continuateen inadverte	rt (CIP) of pro  - e prior application or divisional	or application No n, from which an application and n the submitted a	oath or	declaration is supplied by incorporated by refere	under
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Name ANTONELLI, TERRY, STOUT &		h bar code label h	ere) [			
Address	State			Zip		·
City	State			Code		
Country	Telephone	(703) 312-660	***	Fax	(703) 312-6666	
Name Carl Brundidge		Registration No	. (Attorney/Agent)		<b>29,621</b> February 21, 2002	<del></del>
Signature				Date	1 CUIUAI y 21, 2002	

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Patent fees are subject to ar	nnuai revision.
TOTAL AMOUNT OF PAYMENT	(\$) 740.00
METHOD OF PAYMENT	
<ol> <li>The Commissioner is hereby authorized fees and credit overpayments to:         Deposit Account Number 01-2135         Deposit Account Name Antonelli, Terry, S         Charge Any Additional Fee Required Under 37 CFR 1.1 6 and 1 17         Applicant Claims small entity status. See 37 CFR 1.27     </li> </ol>	
Payment Enclosed:     Check    Credit Card    Money Ord	ier 🗌 Other
FEE CALCULATION	
2. BASIC FILING FEE	

T. C. C. C. C. C. C. C.

114 ... "LI **FEE TRANSMITTAL** 

	Complete if Known	J O
Application Number		μ
Filing Date	February 21, 2002	0
First Named Inventor	SUGAYA, MASAKAZU	
Examiner Name		
Group Art Unit		9
Attorney Docket No.	520.41238X00	٦-

TOTAL AMOUNT OF PAYMENT	(\$) 740.00	Α	ttorne	/ Dock	et No.		520.41238X00	
METHOD OF PAYMENT					FE	E C	CALCULATION (continued)	
The Commissioner is hereby authorized to fees and credit overpayments to:     Deposit Account Number 01-2135     Deposit Account Name Antonelli, Terry, S     Charge Any Additional Fee Required		Fee Code	DDITIO Large Entity Fee (\$)	Fee Code	FEES Small Entity Fee (\$)	,	Fee Description rcharge – late filing fee or oath	Fee Paid
Under 37 CFR 1.1 6 and 1 17  Applicant Claims small entity status.  See 37 CFR 1.27		105 127	130 50	227	25	Su	rcharge – late ming lee of oddin rcharge – late provisional filing fee or ver sheet	
2. ☐ Payment Enclosed: ☐ Check ☐ Credit Card ☐ Money Orde	er 🗌 Other	139 147	130 2,520 920*	139 147 112	-	Fo	n-English specification  r filing a request for ex parte reexamination equesting publication of SIR prior to	
FEE CALCULATION		112	920	112	920	Ex	amination action	
2. BASIC FILING FEE Large Entity Small Entity		113	1,840*	113	1,840	Ex	equesting publication of SIR after aminer action	
Fee Fee Fee Fee Description Code (\$) Code (\$)	Fee Paid	115	110	215	55		tension for reply within first month	
101 740 201 370 Utility filing fee	740 00	116	400	216	200		tension for reply within second month	
106 330 206 165 Design filing fee		117	920	217	460		tension for reply within third month	
107 510 207 255 Plant filing fee		118	1,440	218	720		dension for reply within fourth month dension for reply within fifth month	
108 740 208 370 Reissue filing fee		128	1,960	228	980 160		otice of Appeal	
114 160 214 80 Provisional filing fe	e	119	320 320	219 220	160		ling a brief in support of an appeal	
SUBTOTAL	740 00	120	280	220	140		equest for oral hearing	
1. EXTRA CLAIM FEES		121 138	1,510				etition to institute a public use proceeding	
Fee from		140	110	240	55		etition to revive – unavoidable	
Extra Claims below	Fee Paid	141	1,280		640		etition to revive – unintentional	
Total Claims 10 -20** = 0 x 0.00	= 0.00	142	1,280		640		tility issue fee (or reissue)	
Indep. Claims 1-3** = 0 x 0.00	= 0.00	143	460	243	230		esign issue fee	
	= 0.00	144	620	244	310	PI	lant issue fee	
Multiple Dependent 0.00	- 0.00	122	130	122	130	Pe	etitions to the Commissioner	
Large Entity Small Entity		123	50	123	50	Pr	rocessing fee under 37 CFR 1 17(q)	
Fee Fee Fee Fee Descript	ion	126	180	126	180	Sı	ubmission of Information Disclosure Stmt	
Code (\$)         Code (\$)           103         18         203         9         Claims in excess	of 20	581	40	581	40	Re pr	ecording each patent assignment per roperty (times number of properties)	
	ms in excess of 3	146	740	246	370		or each additional invention to be xamined (37 CFR § 1.129(a))	
	nt claim, if not paid	149	740	249	370		or each additional invention to be xamined (37 CFR § 1 129(b))	
109 84 209 42 ** Reissue indepe over original pa		179	740	279	370	R	equest for Continued Examination (RCE)	
110 18 210 9 ** Reissue claims and over origi		169	900	169	900		tequest for expedited examination f a design application	
SUBTOTAL (		Othe	r fee (sp	ecify)_				
**or number previously paid, if greater; For Reissu	es, see above	*Red	luced by	Basic f	Filing Fe	e P	aid SUBTOTAL (3) (5	0.00

SUBMITTED BY		Complete (if applicable)				
Name (Print/Type)	Carl I_Brundidge	Registration No. (Attorney/Agent)	29,621	Telephone	703-312-6600	
Signature				Date	02/21/2002	

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